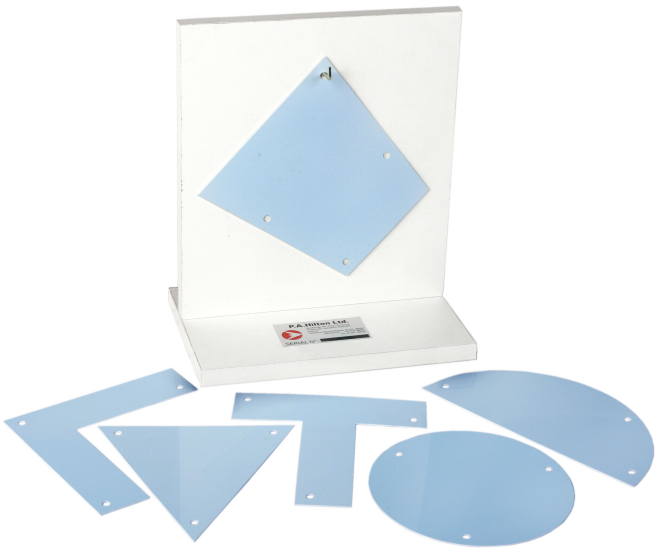
CENTRE of GRAVITY APPARATUS

HFC8



Year 1
study

Features

- Visual, hands-on bench top apparatus
- Six different shapes provided
- Shapes can be marked and cleaned
- Datum line provided
- Shapes have many holes to create variation
- Customer specific shapes can be used

Description

The centre of gravity of a shape of uniform thickness can easily be found by this apparatus. It provides a simple technique for complicated shapes, far quicker than using calculus for example. A free standing backboard has a hook from which a selection of flat shapes can be hung. A simple pendulum suspended from the pin enables the line of action of the weight to be transferred to the lamina. The centre of gravity is the position on the shape where two or more such lines intersect. 6 different shapes are provided, each having a number of holes in their profile. This allows for the shapes to be suspended at different points, and the lines of action drawn.

Related Laws/Applications

- Centre of Gravity
- Lines of action
- Equilibrium
- Moments

Learning capabilities

- To establish the position of the centre of gravity of several different shapes by experiment
- Compare experimental results derived from calculation or reference books

Technical Specification

- Back Board: 228(L) x 152(W) x 270(H) mm
- 1 x Trapezium shape (4 holes)
- 1 x 'L' shape (3 holes)
- 1 x semi-circle shape (3 holes)
- 1 x triangle shape (3 holes)
- 1 x 'T' shape (3 holes)
- 1 x circle shape (3 holes)

What's in the Box?

- 1 x HFC8
- 1 x Plumb bob
- 6 x Specimen
- 1 x 1m Spare cord
- Instruction manual
- Packing list
- Test sheet

You might also like

- HST23

Weights & Dimensions

- Weight: 1 kg
- Length: 228mm
- Width: 152mm
- Height: 280mm

Essential Services

- Sturdy Bench Top

Ordering information

To order this product, please call PA Hilton quoting the following code:
HFC8

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